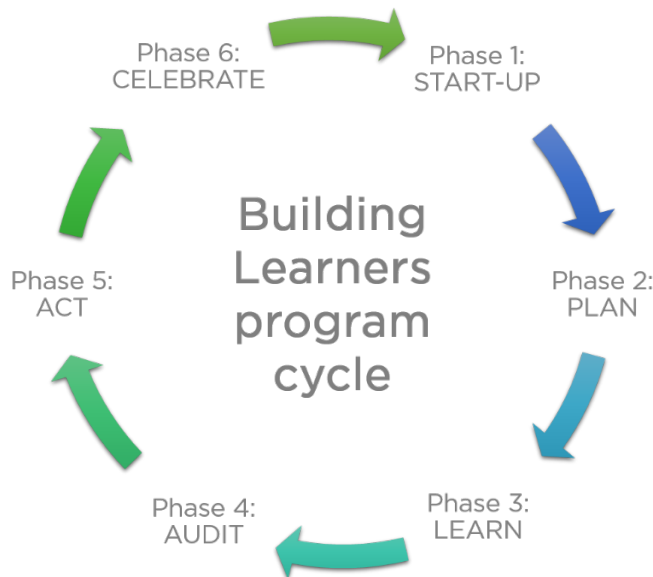


Roadmap to Lessons, Grades K-12

Use this roadmap to quickly find lessons on [Learning Lab](#) that build background knowledge of green building, benchmarking, and the five Arc categories: energy, water, waste, transportation and human experience (including air quality). We have labeled each lesson with the phase we think it best supports - learn, audit, act or celebrate - according to the Building Learners cycle (below). Find lessons by Arc category, and follow the link to see the full lesson on Learning Lab.



Lessons by Topic

Grades K-3

<u>What is a Green Building?</u> (K-2) Phase 3: LEARN				
<u>What is a Green Building Standard?</u> (K-2) Phase 3: LEARN				
Air	Energy	Transportation	Waste	Water
<u>Sensing Air</u> (K) Phase 3: LEARN	<u>Touched by the Sun</u> (K) Phase 3: LEARN	<u>We're on the Move!</u> (K) Phase 3: LEARN	<u>Bin, Bin, Drop the Trash In!</u> (K) Phase 3: LEARN	<u>I Like Water</u> (K) Phase 3: LEARN
<u>Catching Air</u> (K) Phase 3: LEARN	<u>Energy Avengers</u> (1-2) Phase 3: LEARN	<u>My Feet, My Moves</u> (K) Phase 3: LEARN	<u>Waste Reduction: DIY Paper & Bags</u> (K-2) Phase 5: ACT	<u>Clean Water, Happy People</u> (1-2) Phase 3: LEARN
<u>Breathe In, Breathe Out</u> (1-2) Phase 3: LEARN	<u>Mapping My Energy Use</u> (3-4) Phase 3: LEARN Phase 4: AUDIT	<u>Traffic Jammin'</u> (1-2) Phase 3: LEARN	<u>Don't Waste Lunch</u> (1-2) Phase 3: LEARN Phase 4: AUDIT	<u>The Water Planet</u> (3-4) Phase 3: LEARN
<u>My Polluted City</u> (1-2) Phase 3: LEARN Phase 4: AUDIT	<u>Where Does My Energy Come From?</u> (3-4) Phase 3: LEARN	<u>All Aboard</u> (1-2) Phase 3: LEARN	<u>Trash, Recycling, or Compost</u> (2-3) Phase 4: AUDIT	
<u>Boost Your IAQ!</u> (3-4) Phase 3: LEARN	<u>Energy for All</u> (3-4) Phase 3: LEARN	<u>Traffic Jam</u> (3-4) Phase 3: LEARN	<u>Waste Not, Want Not</u> (3-5) Phase 3: LEARN Phase 4: AUDIT	
<u>20-Second Smells</u> (3-4) Phase 3: LEARN Phase 4: AUDIT	<u>Solar Boxes</u> (3-4) Phase 3: LEARN		<u>Little Landfill</u> (3-4) Phase 3: LEARN Phase 4: AUDIT	
			<u>Building Bins</u> (3-4)	

			Phase 3: LEARN Phase 5: ACT	
			The 5Rs (3-4) Phase 3: LEARN Phase 5: ACT	
			What Role Do I Play in the Material Cycle? (3-4) Phase 3: LEARN Phase 4: AUDIT Phase 5: ACT	

Grades 3-6

What is a Green Building? (3-6) Phase 3: LEARN				
Using Models to Understand Green Building (3-6) Phase 3: LEARN				
Air	Energy	Transportation	Waste	Water
<u>Boost Your IAQ!</u> (3-4) Phase 3: LEARN	<u>Mapping My Energy Use</u> (3-4) Phase 3: LEARN Phase 4: AUDIT	<u>Traffic Jam</u> (3-4) Phase 3: LEARN	<u>Be a Food Waste Warrior</u> (3-12) Phase 3: LEARN Phase 4: AUDIT	<u>The Water Planet</u> (3-4) Phase 3: LEARN
<u>20-Second Smells</u> (3-4) Phase 3: LEARN Phase 4: AUDIT	<u>Energy for All</u> (3-4) Phase 3: LEARN	<u>Ships and Planes</u> (5-6) Phase 3: LEARN	<u>Little Landfill</u> (3-4) Phase 3: LEARN Phase 4: AUDIT	<u>Water Fundamentals</u> (5-6) Phase 3: LEARN
<u>Air Quality Index</u> (5-6) Phase 3: LEARN	<u>Where Does My Energy Come From?</u> (3-4) Phase 3: LEARN	<u>Alternative Vehicles</u> (5-6) Phase 3: LEARN	<u>Building Bins</u> (3-4) Phase 3: LEARN Phase 5: ACT	<u>Drip, Drip, Drop</u> (5-6) Phase 4: AUDIT
	<u>Solar Boxes</u> (3-4)	<u>Transportation Trends</u> (5-6)	<u>The 5Rs</u> (3-4)	<u>Humans and Water</u> (5-6)

	Phase 3: LEARN	Phase 3: LEARN	Phase 3: LEARN Phase 5: ACT	Phase 3: LEARN
	<u>STEMhero Program (6-8)</u> Phase 4: AUDIT Phase 5: ACT		<u>What Role Do I Play in the Material Cycle? (3-4)</u> Phase 3: LEARN Phase 4: AUDIT Phase 5: ACT	<u>STEMhero Program (6-8)</u> Phase 4: AUDIT Phase 5: ACT
			<u>Waste Not, Want Not (3-5)</u> Phase 3: LEARN Phase 4: AUDIT	
			<u>Waste Innovations (5-6)</u> Phase 3: LEARN Phase 5: ACT	
			<u>E-Waste (5-6)</u> Phase 3: LEARN	

Grades 6-9

<u>What is a Benchmark? (6-8) Phase 3: LEARN</u>				
<u>Using Models to Make Sense of Green Building Science (6-8) Phase 3: LEARN</u>				
Air	Energy	Transportation	Waste	Water
<u>Air Quality Index (5-6)</u> Phase 3: LEARN	<u>Power to the People! (6-8)</u> Phase 3: LEARN	<u>Ships and Planes (5-6)</u> Phase 3: LEARN	<u>Be a Food Waste Warrior (3-12)</u> Phase 3: LEARN Phase 4: AUDIT	<u>Water Fundamentals (5-6)</u> Phase 3: LEARN
<u>Air Quality and Health (7-8)</u> Phase 3: LEARN	<u>Lighten Up: A Personal Energy Audit (6-8)</u> Phase 4: AUDIT	<u>Alternative Vehicles (5-6)</u> Phase 3: LEARN	<u>Waste Innovations (5-6)</u> Phase 3: LEARN Phase 5: ACT	<u>Drip, Drip, Drop (5-6)</u> Phase 4: AUDIT

<u>Air Quality in My Neighborhood</u> (7-8) Phase 3: LEARN	<u>STEMhero Program</u> (6-8) Phase 4: AUDIT Phase 5: ACT	<u>Transportation Trends</u> (5-6) Phase 3: LEARN	<u>E-Waste</u> (5-6) Phase 3: LEARN	<u>Humans and Water</u> (5-6) Phase 3: LEARN
<u>Personal Air Audit</u> (7-8) Phase 4: AUDIT	<u>Personal Energy Audit</u> (7-8) Phase 4: AUDIT	<u>Beat the Traffic!</u> (7-8) Phase 3: LEARN	<u>The Benefits of Composting for Landfill Reduction</u> (6-8) Phase 3: LEARN	<u>STEMhero Program</u> (6-8) Phase 4: AUDIT Phase 5: ACT
<u>101 Fundamentals: Air</u> (9-10) Phase 3: LEARN	<u>Investigating Light Bulbs</u> (7-8) Phase 3: LEARN	<u>Personal Transportation Eco-Audit</u> (7-8) Phase 4: AUDIT	<u>Research and Compare for your Waste Questionnaire</u> (6-8) Phase 4: AUDIT Phase 5: ACT	<u>Personal Water Audit</u> (7-8) Phase 4: AUDIT
<u>A Living Wall</u> (9-10) Phase 3: LEARN Phase 5: ACT	<u>What's the Alternative</u> (7-8) Phase 3: LEARN	<u>101 Fundamentals: Transportation</u> (9-10) Phase 3: LEARN	<u>Zero-Waste Campaign</u> (7-8) Phase 3: LEARN Phase 5: ACT	<u>101 Fundamentals: Water</u> (9-10) Phase 3: LEARN
<u>Hang That Garden!</u> (9-10) Phase 5: ACT	<u>101 Fundamentals: Energy</u> (9-10) Phase 3: LEARN	<u>Stopping Traffic</u> (9-10) Phase 3: LEARN	<u>Personal Waste Audit</u> (7-8) Phase 4: AUDIT	<u>Global Water Innovations</u> (9-10) Phase 3: LEARN
	<u>Classroom Blackout! Mini-Audit</u> (9-10) Phase 4: AUDIT		<u>101 Fundamentals: Waste</u> (9-10) Phase 3: LEARN	<u>Urban Runoff</u> (9-12) Phase 3: LEARN Phase 5: ACT
	<u>Spatial Thinking: Solar Power</u> (9-12) Phase 3: LEARN		<u>The Story of Electronics</u> (9-10) Phase 3: LEARN	
	<u>Energy Module</u> (9-12) Phase 3: LEARN Phase 4: AUDIT		<u>Plastic Bottle Planter</u> (9-10) Phase 3: LEARN	

			<u>Number Patterns: Waste & Recycling</u> (9-12) Phase 3: LEARN	
			<u>The World's Waste Management Efforts</u> (9-12) Phase 3: LEARN	

Grades 9-12

<u>What is a Benchmark?</u> (9-12) Phase 3: LEARN				
<u>Green Building Models</u> (9-12) Phase 3: LEARN				
<u>Dive Into the Five Categories of Building Performance</u> (9-12) Phase 3: LEARN				
Air	Energy	Transportation	Waste	Water
<u>101 Fundamentals: Air</u> (9-10) Phase 3: LEARN	<u>Spatial Thinking: Solar Power</u> (9-12) Phase 3: LEARN	<u>101 Fundamentals: Transportation</u> (9-10) Phase 3: LEARN	<u>Be a Food Waste Warrior</u> (3-12) Phase 3: LEARN Phase 4: AUDIT	<u>101 Fundamentals: Water</u> (9-10) Phase 3: LEARN
<u>A Living Wall</u> (9-10) Phase 3: LEARN	<u>101 Fundamentals: Energy</u> (9-10) Phase 3: LEARN	<u>Stopping Traffic</u> (9-10) Phase 3: LEARN	<u>Number Patterns: Waste & Recycling</u> (9-12) Phase 3: LEARN	<u>Global Water Innovations</u> (9-10) Phase 3: LEARN
<u>Hang That Garden!</u> (9-10) Phase 5: ACT	<u>Classroom Blackout! Mini-Audit</u> (9-10) Phase 4: AUDIT	<u>Fueling the Future</u> (9-12) Phase 3: LEARN	<u>101 Fundamentals: Waste</u> (9-10) Phase 3: LEARN	<u>Urban Runoff</u> (9-12) Phase 3: LEARN Phase 5: ACT
<u>School Air Eco-Audit</u> (11-12) Phase 4: AUDIT	<u>Energy Module</u> (9-12) Phase 3: LEARN Phase 4: AUDIT	<u>School Transportation Eco-Audit</u> (11-12) Phase 4: AUDIT	<u>The Story of Electronics</u> (9-10) Phase 3: LEARN	<u>School Water Eco Audit</u> (11-12) Phase 4: AUDIT

<u>Indoor Environmental Quality</u> (11-12) Phase 3: LEARN	<u>Power to the People!</u> (9-12) Phase 3: LEARN	<u>Location and Transportation</u> (11-12) Phase 5: ACT	<u>Plastic Bottle Planter</u> (9-10) Phase 3: LEARN	<u>Living with Less Water</u> (11-12) Phase 3: LEARN
	<u>Lighten Up: A Personal Energy Audit</u> (9-12) Phase 4: AUDIT		<u>School Waste Eco-Audit</u> (11-12) Phase 4: AUDIT	
			<u>The World's Waste Management Efforts</u> (9-12) Phase 3: LEARN	